

## **ATTACHMENT Q – DPSCS HARDWARE STANDARDS**

### **Current PC Type:**

- Dell Personal Computers

### **The Current Department PC Standard is:**

- Dell OPTIPLEX GX755 Ultra Small form factor w/
- Intel CORE 2DUO processor
- 2.33GHz
- E6550/1333FSB
- 2GB DDR2 Non ECC SDRAM 667MHZ
- 80 GB SATA Hard Drive
- 24X32 CDRW/DVD Rom
- Dell USP Keyboard
- USBE Entry Mouse
- 17” 1708FPV Ultra Sharp Monitor

### **Laptop Standard:**

- Dell Latitude D630 1.80GHz Intel CORE 2 DUO Processor
- 14.1” WXGA Display
- 1GB DDR2 SDRAM 667
- 60 GB SATA Hard Drive
- 24xCDRW/DVD Rom

### **PC OS standard:**

- Microsoft Windows XP Pro

### **PC Application Suite Standard:**

- Microsoft Office 2003 Pro

### **PC Standard Anti-Virus Software:**

- Symantec Anti-virus corporate edition 10.1

### **Server Hardware & OS standard:**

- IBM P-series servers using AIX 5.2 and 5.3 OS Rack mounted and stand-a-lone Server standard is Dell w/ the HP OpenView client for performance monitoring and system management.
- IBM Blade Servers w/ the HP OpenView client for performance monitoring and system management.
- The Blade Server standard is:
  - IBM HS20 Blade Server
  - Dual 2(+) GHz Processors
  - GB Memory
  - 73 GB Hard Drives
  - Fiber Channel Expansion Card
  - Microsoft Windows 2003 (Standard\Enterprise)
  - Symantec Anti-Virus
  - Tivoli TSM
  - HP Openview Client
  - DRAC if applicable
  - Dual Power Supply if Applicable
  - Microsoft SMS Client

#### **The Stand Server: Dell 2950**

- Dual 2(+) GHz Processors
- 4 GB Memory
- (3+) 73 GB Hard Drives
- Fiber Channel Expansion Card if applicable
- Microsoft Windows 2003 (Standard\Enterprise)
- Symantec Anti-Virus
- Tivoli TSM
- HP Openview Client
- DRAC if applicable
- Dual Power Supply if Applicable
- Microsoft SMS Client

#### **Router/Switches Standard:**

- Cisco Switches / Routers – The standard requires “Enterprise Class” devices that support AAA access.

#### **Additional NIC Cards:**

- Com, Intel – Ethernet 10/100/1000 PCI Network Interface Cards if not provided in hardware configuration

#### **SAN Storage:**

- Storage Array(s) Characteristics:
  - Fiber channel drive support
  - At least 4 GB/s SAN connectivity
  - Support RAID 0, 1, 1+0, and 5
  - Major OS support including Windows, AIX, and Linux
  - Redundant data paths, power supplies, drive connections, and storage processors
  - Software for storage management
  - Software for performance and trend analysis
  - Software for point-in-time snapshots and full-copy clone creations
  - Software/hardware for replication of data to another storage array
  - Non-disruptive code upgrades
  - Call home capabilities to provide remote notification of system event

### **Miscellaneous Standards:**

- Check Point Security Appliances/encryption protocol – for transmissions between remote sites and the ITCD data
- Printers – HP and Lexmark that support the PLC 5 or better protocol.
- HP Scanners - 7650 Document Flatbed Scanner
- HP Plotters Designjet 4500
- IBM Mainframe (CMOS) - System z servers, which support the z/OS operating system.
- Tape Drives – The Data Center supports a 3494 Tape Library utilizing 3592 tape drives for data import and export of offsite storage. We are also using an EMC EDL4200 Virtual Tape Library to handle the data import and export of onsite storage.

ITCD reserves the right to modify hardware and software standards as required by changing goals, objectives, and technology to best meet agency objectives.